

IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE USA/0685/S-96, REVISION 1

East Building, PHH-23 1200 New Jersey Avenue Southeast ITY Washington, D.C. 20590

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive material.

- 1. <u>Source Identification</u> QSA Global, Inc. Model X.117 (Manufactured on or after May 11, 1981).
- 2. <u>Source Description</u> Cylindrical double encapsulation made of stainless steel and tungsten inert gas or laser seal welded. The Model X.117 incorporates silver gaskets and tungsten and alumina inserts. Approximate exterior dimensions are 18.95 mm (0.75 in.) in diameter and 12.25 mm (0.48 in.) in length. Minimum wall thickness is 0.06 mm (0.002 in.). Construction shall be in accordance with attached AEA Technology QSA, Inc. Drawing No. RBA61891, Rev. A.
- 3. <u>Radioactive Contents</u> No more than 22.2 GBq (600.0 mCi) of Strontium-90. The Sr-90 is in the form of an enamel.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors in the United States exporting shipments under this certificate shall satisfy the applicable requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires on August 31, 2014.

[&]quot;Regulations for the Safe Transport of Radioactive Material, 1996
Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the
International Atomic Energy Agency(IAEA), Vienna, Austria.

² Title 49, Code of Federal Regulations, Parts 100-199, United States of America.

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This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the August 17, 2009 petition by QSA Global, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified By:

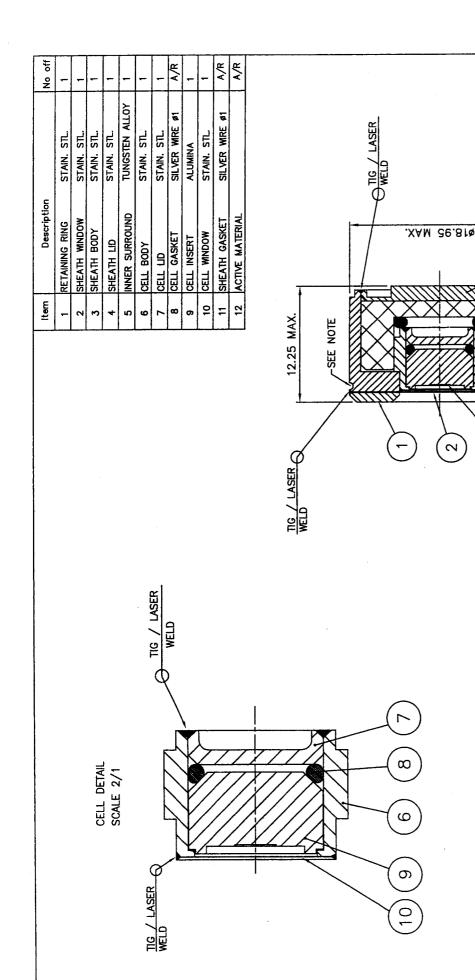
Robert A. Richard

Sep 02 2009

(DATE)

Deputy Associate Administrator for Hazardous Materials Safety

Revision 1 - Issued to extend the expiration date and to update corporate name.



SHEEL OF .2523 40 NORTH AVE, BURLINGTON, MA 01803 SCALE: NONE / \7 **AEATECH**I TITLE X117 SIZE 21 5009 DIMENSIONS IN MILLIMETERES UNLESS OTHERWISE STATED TOLERANCES: INTERNAL NZ EXTERNAL NG **APPROVALS** moon

NOTE: RECESS NOT PRESENT ON ALL CAPSULES

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DESCRIPTIVE DRAWING

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ASSEMBLY



U.S. Department of Transportation

East Building, PHH-23 1200 New Jersey Avenue SE Washington, D.C. 20590

Pipeline and Hazardous Materials Safety Administration

CERTIFICATE NUMBER: USA/0685/S-96, Revision 1

ORIGINAL REGISTRANT(S):

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